

**Minutes**  
**New Programs and Curriculum Committee**  
**October 21, 2010 @ 4:00 p.m.**

**In attendance:** Dr. Mary Wyatt, Dr. Larry Stokes, Dr. Elissa Purnell, Dr. Derrek Dunn, Dr. Karla Sue Marriott, Dr. Asad Yousuf, Dr. Dorothy Gardner-Martin, Dr. Cecil Jones, Dr. Emily Crawford and Dr. Arav Ouandlous.

**Minutes**

- The minutes of the September 30, 2010 were approved with corrections:  
Awarding of Associates degrees should be effective Fall 2011; must be enrolled full-time to receive the degree; and Dr. Arav Ouandlous should be added to the list of attendees;
- The October 7, 2010 minutes were approved with no corrections.

**Request for New Agenda Items**

- None

**Old Business**

- The office of the Registrar has been contacted to update Area B of the Core Curriculum to reflect two courses for a total of 5 hours for COST majors;
- Although COST majors were taking the required classes, they were only counted as 4 credit hours in BANNER;
- Policy 1.9.3.3 has been forwarded to the Faculty Senate members for review and consideration at the meeting on Tuesday, November 2, 2010;

**New Business**

**COST**

**BIOL 3701 – Bioethics**

**Course Change**

**Brief Summary of Proposal:** This revised undergraduate course promotes Responsible Conduct in Research (RCR) with emphasis on issues related to minority health disparities and inequalities. Topics covered include: definition of scientific integrity and misconduct in science; conflict of interest, plagiarism, informed consent, data management, requirements for use of human subjects in research, animal welfare, obligations of parties involved in collaborative research, expectations of mentors and mentees in research, recombinant DNA research technology, laboratory safety, responsible authorship, intellectual property, copy rights and patents. A new unit on emerging minority health disparities and inequalities in health care will be addressed. Literature links significant higher incidence and prevalence of certain diseases among minorities compared to similar white population groups due to inequality and inaccessibility to quality health care. Minority health disparities are prevalent in longevity, obesity, infant mortality, diabetes I and II, hypertension, AIDS and other diseases. The teaching of RCR is required by most federal training grants and graduate schools. Upon completion of this course, our undergraduate students will be better prepared to make informed decision in choosing a career in the area of health disparity and inequalities.

The course is also being changed from a one (1) credit hour to a three (3) credit hour course;

**Discussion:**

- Is this an interdisciplinary course?
- It is typically a science course but can be made into an interdisciplinary course with enhancements;
- On the syllabus, under expected student learning outcomes, number 1, Dr. Gardner-Martin suggests inserting scientific in front of the word research;
- Dr. Stokes recommended that proposal be changed to reflect addition of a “current” unit and not a “new” unit so that a new unit would not be expected to be added each year;
- In response to Dr. Ouandlous’ inquiry about use of word “minority”, Dr. Yousuf explained that the emphasis is on minority health disparities because the grant is written specifically to address minority health disparity and inequality issues;
- Critical thinking is embedded in the syllabus and Dr. Purnell stated the paper written during the course would cover the written aspect of critical thinking and writing;

**-Approved with changes**

**Brief Summary of Proposal:** Entrepreneurial processes in Renewable Energy and Sustainability are essentially driven by the desire to start a new venture, or re-invent and radically transform existing company. Entrepreneurs and entrepreneurial managers seek to shape the future of their businesses by visualizing and implementing new imaginative ventures and models. The desired outcomes are organizational genesis, growth and rejuvenation that are underpinned by new competitive advantages leading to new profitable opportunities.

The course is primarily an interdisciplinary course which will include topics from business and renewable energy. The course is based on case studies of renewable energy topics and business planning. Course will cover broad aspects of renewable energy and entrepreneurship. Students will be introduced to the importance of fundamental concepts of Electrical Engineering Technology in renewable energy and energy sources such as Solar, Fuel Cells, Wind energy, Hybrid Systems and Energy efficient buildings. The course will explore the process of creating entrepreneurial companies and will examine business issues of identifying opportunities in energy and environment, implementing strategies, and formulating and implementing the business plans. The course will emphasize class participation and active debates on the above topics. By the end of the term, students will have a good grasp of the background behind current debates in energy and environment, as well as a sense of the potential business opportunities in this fast-evolving area.

**Discussion:**

- This course is an Engineering Technology and COBA collaboration and that should be clear in the proposal and the syllabus;
- Course will be offered effective Spring 2011;
- There are no pre-requisites because this is a case study course;
- Open to all students who have obtained at least sophomore standing and who are COST or COBA majors;
- Department secretaries can be trained to cross-list courses so it will be available in BANNER to either COST or COBA students;
- This is a basic course which introduces basic concepts;
- Guest lecturers will be invited to discuss relevant topics;
- Dr. Stokes suggested the catalog description of the course be shortened to 2 or 3 sentences and be written with no personal pronouns, i.e. third person;

**-Approved with changes**

**Bachelor of Science in Engineering****New Degree**

**Brief Summary of Proposal:** The objective of the proposed Bachelor of Science in Engineering (BSE) program is to be an instructional program that prepares individuals to apply mathematical and scientific principles to the solution of practical problems. The proposed BSE program has the following educational objectives and outcomes. BSE graduates should have:

- an ability to apply knowledge of mathematics, science, and engineering
- an ability to design and conduct experiments, as well as to analyze and interpret data
- an ability to design a system, component, or process to meet desired needs
- an ability to function on multi-disciplinary teams
- an ability to identify, formulate, and solve engineering problems
- an understanding of professional and ethical responsibility
- an ability to communicate effectively
- the broad education necessary to understand the impact of engineering solutions in a global and societal context
- a recognition of the need for, and an ability to engage in life-long learning
- a knowledge of contemporary issues
- an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

**Discussion:**

- If an HBCU in Georgia is to have an engineering degree, SSU is the best place to have it;
- Proposal is being submitted as a General Engineering degree, after approval, COST will develop tracks;

- Many of the courses in the proposal already exist and are offered by SSU;
- Both UGA and GA Southern have submitted Engineering Degree proposals to the BOR for approval;
- SSU has a 80 – 90% success rate with GTREP students;
- Dr. Dunn will write up his concerns about the UGA and GA Southern proposals fast track process at the BOR and submit to Dr. Wyatt;
- The Bachelor of Applied Science tracks will not interfere with offering of the Bachelor of Engineering;
- Most of the classes for both degrees are currently being taught and will not cause a need for additional positions;
- New building to house the program has been slated in the 2014 Capital Projects list;
- UGA and GSU will have to build new buildings to accommodate their programs if approved; **-Approved**

### **Announcements and/or comments**

- Dr. Wyatt says SSU needs to be more proactive about getting out into the political arena and interacting with legislators and other governing officials;
- Dr. Stokes stated that going forward, Academic Affairs will approve Areas A – E on each grid to ensure they are the same across campus;
- The grid should list all courses in A – E that currently appear on page 49 in the PDF catalog at the SSU website;
- The advising session for Graduating Seniors in Elmore Theater was well attended, however, most students said when they returned to their departments as instructed to meet with their advisors, no one was there to advise them;
- Discussions are in the works to have a central advising office in each college that is always manned;

### **Adjourn**